

## Message Text

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44

ACTION ACDA-10

INFO OCT-01 EUR-12 EA-06 IO-10 ISO-00 ACDE-00 ERDA-05

AF-06 ARA-06 CIAE-00 DODE-00 PM-03 H-02 INR-07 L-03

NASA-01 NEA-10 NSAE-00 NSC-05 OIC-02 SP-02 PA-01

PRS-01 OES-03 SS-15 USIA-06 SAJ-01 /118 W

----- 130836

P R 081400Z AUG 75

FM USMISSION GENEVA

TO SECSTATE WASHDC PRIORITY 5143

INFO AMEMBASSY BONN

AMEMBASSY LONDON

AMEMBASSY MOSCOW

AMEMBASSY OTTAWA

AMEMBASSY ROME

AMEMBASSY STOCKHOLM

AMEMBASSY THE HAGUE

AMEMBASSY TOKYO

USMISSION NATO

USUN NEW YORK 2228

C O N F I D E N T I A L GENEVA 6220

DISTO

E.O. 11652: GDS

TAGS: PARM, CCD

SUBJECT: CCD - ENMOD EXPERTS MEETING; FINAL DAY

REF: GENEVA 6159

SUMMARY: FOURTH AND FINAL ENMOD EXPERTS MEETING HELD  
AFTERNOON OF AUGUST 7 HAD STATEMENTS BY HUNGARY, THE  
NETHERLANDS, SWEDEN, UK AND USSR. US, DUTCH, SWEDISH,  
SOVIET, WMO AND UNEP EXPERTS RESPONDED TO QUESTIONS  
PUT TO THEM BY OTHER EXPERTS. DUTCH AND SWEDES  
CIRCULATED INFORMAL GLOSSES ON CANADIAN WORKING PAPER  
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(CCD/463). END SUMMARY

1. FINAL SESSION OF CCD ENMOD EXPERTS' MEETING  
OPENED WITH BRIEF PRESENTATION BY HUNGARIAN EXPERT  
(CSAPLAK) WHO POINTED OUT INSTABILITIES OF  
TECHNICAL-ECOLOGICAL SYSTEMS AND THEIR VULNERABILITY  
TO ENVIRONMENTAL WARFARE USING AS EXAMPLE CALCULATED  
INDUCED EFFECTS ON A FLOOD CONTROL REGION DESIGNED  
USING NATURAL PRECIPITATION STATISTICS TO ACCOMMODATE  
FLOODS. HE ALSO, SOMEWHAT SURPRISINGLY, REFERRED TO  
VULNERABILITY OF SMALL COUNTRIES TO DAMAGE FROM  
EXPERIMENTS CARRIED OUT BY LARGER NEIGHBORS.

2. THE NETHERLANDS REP, MEERBURG, WHO FOLLOWED,  
DESCRIBED AND DISTRIBUTED INFORMAL PAPER WHICH ANALYZED  
AND PRESENTED GRAPHICALLY THE TECHNIQUES DESCRIBED  
IN CANADIAN WORKING PAPER (CCD/463) ACCORDING TO  
"LAWS OF WAR" EFFECTS -- WIDESPREAD, LONG LASTING AND  
SEVERE. HE ALSO MENTIONED THAT THESE THREE EFFECTS  
HAD BEEN DISCUSSED BY US REP MARTIN IN HIS OPENING  
STATEMENT AT THE INFORMAL MEETINGS. EACH TECHNIQUE  
WAS THEN CLASSIFIED AS TO ITS VALUE IN SHOOTING WARS,  
NON-SHOOTING WARS, AND DOMESTIC ENMOD SITUATIONS (SEE  
SWEDISH PROPOSAL REPORTED IN GENEVA 6139, PARA 2).  
HE ALSO MILDLY CRITICIZED THE WIDESPREAD-LONG LASTING-  
SEVERE CONCEPT AS RATHER SUBJECTIVE AND THUS DIFFICULT  
TO USE IN CATEGORIZING VARIOUS ENMOD TECHNIQUES.  
NETHERLANDS EXPERT SCHUURMANS FOLLOWED WITH  
RESPONSES TO QUESTIONS POSED BY US EXPERTS.

3. SWEDISH EXPERT, IN RESPONSE TO US QUESTION, MADE  
CLEAR THAT IN REFERENCE TO "DOMESTIC ENMOD",  
AMBASSADOR THORSSEN MEANT HARMFUL ANCILLARY EFFECTS  
ON OTHER NATIONS OF ENMOD CONDUCTED FOR PEACEFUL  
PURPOSES WITHIN OWN TERRITORY. SWEDEN ALSO DISTRI-  
BUTED INFORMAL PAPER COMMENTING ON THE NINETEEN  
TYPES OF ENMOD TECHNIQUES IN CANADIAN WORKING PAPER  
AND CONCLUDING THAT FIVE: STORM STEERING, MAKING  
AVALANCHES AND LANDSLIDES, MODIFICATION OF PERMAFROST  
AREAS, DIVERSION AND POLLUTION OF RIVERS AND  
DESTRUCTION OF DAMS, AND MAKING OF RAIN AND SNOW,  
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WERE LEAST "QUESTIONABLE" FROM POINT OF VIEW OF BEING  
A METHOD FOR HOSTILE USE WHEN EVALUATED ACCORDING TO  
FACTORS OF (1) PROBABILITY FOR ACHIEVING THE BASIC  
TECHNICAL "PHENOMENA" WITHOUT REGARD TO COST, (2)  
DANGER TO THE ENVIRONMENT, AND (3) VALUE AS A MEANS  
OF WARFARE.

4. WMO AND UNEP OBSERVERS FOLLOWED WITH BRIEF RESPONSES

TO US QUESTIONS, DESCRIBING THEIR ORGANIZATIONS' MONITORING CAPABILITIES AS RELATED TO LARGE-SCALE ENVIRONMENTAL MODIFICATION, AND SOVIET EXPERTS RESPONDED TO US QUESTIONS REGARDING REDUCTION OF RIVER ICE COVER BY APPLYING COAL DUST AND WHETHER PRECIPITATION MODIFICATION COULD BE SAID TO INCREASE OR MERELY TO REDISTRIBUTE PRECIPITATION ON AN ABSOLUTE BASIS. RESPONSE TO LATTER WAS THAT NOT ENOUGH IS YET KNOWN TO STATE POSITIVELY THAT PRECIPITATION CAN BE INCREASED ON AN ABSOLUTE BASIS.

5. UK AMBASSADOR STATED SUPPORT FOR CONCEPT OF BANNING WEAPONS BEFORE THEY ARE FULLY DEVELOPED. WITH REGARD TO SWEDISH EXPRESSION OF CONCERN REGARDING HARMFUL EFFECTS ON OTHERS OF PEACEFUL ENMOD, HE STATED THAT INTENTIONS RATHER THAN ACCIDENTAL RESULTS SHOULD BE BASIS FOR TREATY DEALING WITH MILITARY AND OTHER HOSTILE USE AND THAT WMO SHOULD HANDLE QUESTIONS DEALING WITH PEACEFUL ENMOD. HE ALSO RAISED ISSUE OF VERIFICATION AND SAID BOTH SCIENTIFIC TECHNIQUES FOR MONITORING OF COMPLIANCE AND COMPLAINT PROCEDURES NEED TO BE CAREFULLY CONSIDERED, AS DID MEANS OF DISTINGUISHING BETWEEN DELIBERATE MODIFICATION AND ACCIDENTAL EFFECT. MEETING CONCLUDED WITH STATEMENT BY SOVIET AMBASSADOR REITERATING NEED TO CONCLUDE AGREEMENT BEFORE NEW MEANS OF WARFARE DEVELOP AND WARNING OF CATASTROPHIC CONSEQUENCES FOR MANKIND IF WE FAILED TO DO SO.

6. COMMENT: MEETINGS WENT SMOOTHLY WITH SOVIET BLOC WELL IN LINE. US EXPERTS RECEIVED NO HOSTILE QUESTIONS. OF NOTE IS THE FACT THAT THERE WAS NO CONCERN EXPRESSED REGARDING ANCILLARY EFFECTS ON CONFIDENTIAL

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ENVIRONMENT OF NUCLEAR WEAPONS. LACK OF CONTROVERSY BETWEEN EXPERTS AT MEETINGS DOES NOT, OF COURSE, MEAN THAT ISSUES SUCH AS RAIN MAKING, DEFINITION OF WIDESPREAD, LONG LASTING OR SEVERE "TROIKA", AND COMPLIANCE PROCEDURES WILL NOT BE MAJOR TOPICS OF DEBATE WHEN ENMOD TREATY DRAFT IS TABLED. IT IS CLEAR, FOR EXAMPLE, THAT DEFINING WHAT MILITARY ACTIVITIES ARE PROHIBITED UNDER "TROIKA" WILL BE MAJOR POINT OF SUBSEQUENT DISCUSSIONS. END COMMENT.ABVRAMS

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## Message Attributes

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